

American School of Dubai Dubai, UAE

Client: American School of Dubai

Designed to be a model of best practices for sustainable design in the Middle East, the new campus for the American School of Dubai is set on a 27-acre site in the Al Barsha district of Dubai.

Scope: Structural Engineering
Mechanical Engineering
Electrical Engineering

The school accommodates 1,600 students in a Pre-Kindergarten through 12th grade curriculum. Organized along a series of linear garden spaces, nearly every classroom is designed to face either north or south to take optimal advantage of beneficial natural daylight. West and east exposures are all but eliminated. Walkways and courtyards open to cooling northerly afternoon breezes off of the Arabian Gulf.

Roofs are shielded with louvered screens, further protecting the school from the hot sun. Each classroom "building" is designed with operable windows on two sides along with roof vents to allow for natural ventilation to take the place of traditional air conditioning during the mild winter months from November to February.

